

## GUIDE TO DAMP, WATER AND WEATHERPROOFING Including Emergency Roof Repair

The exterior fabric of your home is your first line of defence against the weather. Any break in the defences will lead to moisture penetration and subsequent deterioration. Defective roofing slates,

flashing, flat roof bitumen membranes, porous brickwork, and less than perfect guttering and downpipes all lead to problems and it is therefore critical that these areas are well maintained.

The Wickes range of proofing products will ensure that when defects such as those mentioned occur, you will be able to put them right in the best and easiest possible way.



### FLEXIBLE SEALANT MASTIC FOR ROOFS

241-210	1 litre
241-211	2.5 litres
Coverage:	1 litre will cover approximately 3.5 metres (3mm thick x 100mm wide).

This is a bitumen based, fibre reinforced, mastic for the filling and sealing of cracks and joints in roofs or guttering. The mastic when cured retains a degree of flexibility. It is essentially a gap filler or a jointing mastic.

It can be used on asphalt, fibre cement sheeting, corrugated iron, roofing felt and similar materials on its own or prior to overall treatment with our Waterproofer For Roofs.

### Surface preparation

Surfaces must be free of dust, dirt, rust or other grime, which could affect adhesion. If moss or other fungal growths are present these must be removed and the area treated with our Fungicidal Wash (600-297) to prevent further growth. The surface does not need to be dry but surface water must be removed. Porous surfaces such as fibre cement should be primed with a solution of Protective Bituminous Paint (for Metal and Concrete) (80%) and white spirit (20%).

### Application

Application is by trowel or knife, dipped in white spirit for easier spreading, to a thickness of at least 1.5mm initially, with the mastic overlapping the sides of the crack or gap by about 50mm. For gaps or cracks over 3mm wide, metal (aluminium) foil should be laid over the area of the defect being bedded well into the mastic and then a further 1.5mm thickness of mastic must be applied over the entire repaired area. Alternatively fill the crack with mastic then thoroughly bed in some Wickes Traditional Underlay Felt (sku 240-019) or similar, as a reinforcing strip. Cover with another generous overcoat of Flexible Sealant Mastic.

**When used** for filling and sealing joints between roofs and adjacent walls the first coating of mastic should be taken at least 50mm up the wall and 50mm over the roof, the foil reinforcement should be applied 38mm up the wall and 38mm over the roof, and finally the second mastic coat should match the first.

### KEEP INFORMED

- Look for other Good Idea Leaflets that could help you with your current project.
- Check that your Good Idea Leaflets are kept up to date. Leaflets are regularly changed to reflect product changes so keep an eye on issue dates.
- If you would like to be put on our mailing list for the Wickes booklet, call our Freephone number which is:  
**0500 300 328**
- Visit our website at [www.wickes.co.uk](http://www.wickes.co.uk)

The mastic may be used as a jointing compound for metal guttering. Apply the mastic to the clean gutter ends, bolt the guttering together and remove excess mastic squeezed out of the joint to leave a neat finish.

If it is necessary to paint over the mastic it should be allowed to dry thoroughly first. It should then be treated with two coats of our Aluminium Wood Primer (600-349) to seal it. It can then be painted over normally. Do not use an oil based paint directly over the bitumen mastic because the bitumen will soften and bleed through the paint.

Overcoat the treated surfaces with Wickes Waterproofer for roofs (241-212) allowing drying time of 48 hours minimum or Wickes Roof Seal (allowing a drying time of 72 hours minimum).

## Cleaning

Tools and equipment should be cleaned with white spirit. Be careful as white spirit can cause damage to some plastics.

Any splashes on the skin should be removed with a hand cleanser as soon as possible, followed by a wash in warm soapy water.

## PROTECTIVE BITUMINOUS PAINT FOR METAL AND CONCRETE

241-222	2.5 litres
241-223	5 litres

**Coverage:** 5 litres will cover approximately 20-50m<sup>2</sup> per coat for metal and 20m<sup>2</sup> per coat for concrete.

This is a general-purpose black bitumen based paint intended for brush application. The paint provides a protective coating to most substrates including iron and steel structures, metal fabrications, castings, fibre cement sheeting, and structural concrete.

The coating has a high resistance to water penetration, weathering, and oxidation, with protection against ordinary acid and alkali solutions of low to medium concentrations.

**Note:** All bitumen products weather in sunlight by 'chalking' they need recoating every few years in such condition.

## Surface Preparation

Surfaces must be free of grease, oil, dust, dirt, flaking materials, moss, algae growth or other foreign matter. Mill scale or rust must be removed from metal and the metal primed with Red Oxide Primer (607-465) and allowed to dry. Prime porous surfaces such as concrete and fibre cement sheeting by diluting this product with 20% white spirit (600-340) and allow to dry. Sound painted surfaces should be thoroughly cleaned and grease free.

## Application

On prepared surfaces apply a minimum of two coats by brush. Apply the second coat after the first has fully dried, approximately 2-4 hours.

The paint can be applied by spray after thinning with white spirit. When spraying always take appropriate care/precautions to avoid the spray mist covering adjacent areas that may be damaged or contaminated.

**Note:** Externally, the coating will weather. Clean and then apply a further coat when required.

## Cleaning

Clean utensils with white spirit.

## Health and Safety

The product contains a Hydrocarbon solvent and frequent or prolonged contact with the skin should be avoided so we recommend that you wear gloves when using the paint. Any splashes on the skin should be removed as quickly as possible with a hand cleaner followed by a wash in warm soapy water.

When spraying wear a nose and mouth mask to avoid inhaling the spray, and protect your eye with goggles. Ensure adequate ventilation is provided if not using the paint outside. Keep this product away from sources of ignition.

## Storage

The paint contains a flammable solvent so all normal precautions should be taken during storage and, of course, use.

## WATER SEAL

600-335	2.5 litres
600-336	5 litres

**Coverage:** 5 litres will cover approximately 16m<sup>2</sup> with one coat, depending upon porosity of the surface.

This is a clear, colourless water repellent liquid containing silicones used for preventing the ingress of water through porous building surfaces. Over a period of years bricks, for example, can lose their natural resistance to water penetration and Water Seal will replace it.

It can be used on porous surfaces such as brick, stone, concrete, cement rendering and fibre cement sheeting. It may be used over exterior emulsions, however its effectiveness is reduced.

The product is not a total sealer forming a surface skin as such so will still allow walls to 'breathe' and will allow moisture in walls to evaporate. It helps keep walls dry and clean and helps prevent frost damage, efflorescence and general erosion by running water.

Water Seal is not effective against water pressure and is not suitable for masonry below ground level.

**Note:** This product is a penetrative waterproofer so a dry and porous surface is a must.

## Surface Preparation

Surfaces must be dry, porous and free of dirt and loose material. If the surfaces are dirty and require some cleaning this must be done at least 3 to 4 days before it is intended to apply the Water Seal. Do not use any detergent or wetting agent.

Repair any defective pointing or surface cracking. Water Seal will not seal such defects and moisture will be able to penetrate the walls through them.

Also repair defective flashing or guttering, which may allow moisture to enter the walls behind Water Seal rendering it useless. New structures should be allowed to weather for 2 months prior to application.

New render and fresh mortar should be allowed to weather for two months before Water Seal is applied.

**Note:** Some open texture concrete blocks may not be suitable for treatment. We suggest you test on an inconspicuous section of the wall before proceeding with the full treatment.

## Application

Application is best carried out when the weather has been dry for at least three to four days and rain is not expected for a minimum of six hours. Do not apply if frost is expected within six hours of application.

**Note:** If the surface is visibly damp or wet the product may leave white stains because it cannot penetrate.

Water Seal must not be contaminated with water or be thinned before application.

Apply liberally with a soft brush working from the bottom of the wall upwards. Ensure total coverage. On the majority of surfaces one coat will create an effective barrier to moisture penetration but we recommend two coats on very rough or porous surfaces, the second coat being applied before the first has dried.

Water Seal can be spray applied using a low pressure sprayer fitted with a coarse nozzle, working from the bottom to the top of the wall. The liquid should not be thinned.

## Cleaning

All splashes must be wiped off immediately. There is no solvent to remove the dry waterproofer. Splashes that dry on window or door glass may be removed by cleaning with a mild abrasive or proprietary cleaner. When spraying, appropriate precautions must be taken to avoid the spray mist covering windows and/or adjacent areas that may be damaged.

Water Seal can also be over-painted once it has been allowed to weather for 30 days.

**Note:** Water Seal is only recommended for vertical applications, where it will prevent water soaking into the surface and promote water run off. It should never be used in horizontal applications i.e. internal floors, external patios or driveways of any kind.

Tools and brushes should be cleaned whilst wet using White Spirit, but if the product is allowed to dry on brushes they should be discarded.

## Health and Safety

Prolonged contact with the skin may be harmful. We recommend that you wear gloves when working with the product and remove any splashes on the skin immediately with soap and water.

If spraying Water Seal onto the walls, wear gloves, a nose & mouth mask to avoid inhalation of the spray mist and safety glasses. Adequate ventilation is essential.

## Storage

Water Seal contains a flammable solvent so all normal precautions should be taken during storage and, of course, use.

## WICKES INTERIOR DAMP SEAL

600-317	1 litre
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This is a unique white waterbased coating that seals the staining caused by previously damp patches on interior walls and ceilings. It is quick drying and low odour. It is easy to use and provides a sound base surface for subsequent decorations.

**Note:** This product does not cure rising or penetrating damp. It will purely seal, preventing the dried stain, staining subsequent decorations at that particular point. The root cause of dampness should be found and remedied before the application of Wickes Interior Damp Seal.

Wickes Interior Damp Seal will not cure dampness due to condensation. It should not be used where water pressure is anticipated or when efflorescence is likely to disrupt the treatment. Not for use below ground level.

## Preparation

Remove existing wallpaper and loose paint, grease, dust and all traces of limewash or distemper. Destroy mould or fungi on walls using Wickes Fungicidal Wash. Repair any defective areas to produce a smooth surface. Clean the base surface with water and let it dry completely.

## Application

Stir well. Do not thin. Maintain good ventilation during application. Apply by brush or roller on a clean surface covering an area some 300mm larger all round than the extent of the present stains. On porous surfaces, brush well to ensure good adhesion. Apply at 4 to 8m<sup>2</sup>/l per coat; two coats are recommended, the second being applied at right angles to the first once the previous coat has fully dried (24 hours minimum). Wickes Interior Damp Seal can be overpainted once fully dry. Wallpaper should be hung using Wickes Extra Strength Ready Mixed Wall Covering Adhesive. The use of vinyl or similar waterproof papers can affect adhesive drying times.

**Remove excess product from tools then clean immediately with water.**

## HEALTH AND SAFETY

Keep out of reach of children. Ensure good ventilation during application and drying. In case of contact with eyes, rinse immediately with plenty of water. Remove splashes from skin promptly with soap and water or recognised skin cleaner.

## OTHER PRECAUTIONARY MEASURES

Store in cool dry conditions between 5°C and 25°C. Protect from frost

## LIQUID DAMP PROOF MEMBRANE

241-217	5 litres
241-218	25 litres

Coverage: 5 litres will cover approximately 3m<sup>2</sup> with a 2 coat application.

Wickes Liquid Damp Proof Membrane is a rubberised bitumen based emulsion that when dry, forms a flexible waterproof membrane on solid floors and walls. The damp proof membrane is sandwiched between a concrete floor structure and the overlaying screed. It provides a very flexible and resilient barrier to damp penetration through walls and floors. It can also be applied to brickwork prior to plastering.

**Note:** Wickes Damp Proof Membrane will not work on floors or walls where water is present under pressure e.g. Cellars and retaining walls. Contact the Wickes Helpline for advice. This product is not recommended for waterproof tanking in wet rooms.

## Preparation

Ensure that surface is clean and smooth. On brickwork this necessitates the use of a skim coat of a sand-cement render. Prime porous or dusty surfaces with a coat of Wickes Liquid Damp Proof Membrane slowly diluted with six volumes of clean cold water and allow to dry.

## Application

Apply by brush or broom.

**Floors:** The first coat should be applied at the rate of 1 square metre per litre. When dry apply a second coat at 1.5 square metres per litre. Ensure that the coating marries up to any existing Damp

Proof Course and that the dried film is not punctured or damaged.

**Internal Walls:** After plaster has been removed, apply 3 coats of Wickes Liquid Damp Proof Membrane at the rate of 2 square metres per litre per coat. Whilst wet, "blind" the final coat with Wickes Sharp Sand to provide a key. The membrane should then be covered with Wickes Universal Backing Plaster and Wickes Universal Finishing Plaster or equivalent gypsum based plaster to a total thickness of minimum 12mm.

**Note:** Do not use cement based plasters or renders.

## Drying Times

The drying time of Wickes Liquid Damp Proof Membrane depends on the effectiveness of the ventilation, the temperature, humidity, porosity and dampness of the substrate. As a guide Wickes Liquid Damp Proof Membrane will dry in approximately 6 hours in good drying conditions, this should be regarded as a minimum drying time and to be safe, the coating allowed to dry for 16 hours, (overnight), where possible. A simple guide is to press a thumb into the coating, if no Wickes Liquid Damp Proof Membrane residue is picked up, then the coating is dry.

## Important

Always wear Wickes Work gloves and Goggles when using this product. Clean all tools with water if still wet or with Wickes White Spirit if dry.

**Note:** Dried membrane is difficult to remove. Do not apply if the temperature is likely to drop below 4°C or rain is likely during the drying period.

## Storage

Store and transport this container in a secure upright position. Protect from frost.

## Health & Safety

Keep container tightly sealed and away from direct heat. Ensure good ventilation during application and drying. After contact with skin, wash immediately with soap and water or recognised skin cleanser. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In the event of accidents seek medical attention immediately. Do not empty into drains. If swallowed, seek medical advice immediately and show this container or label. Keep out of reach of children. In the event of spillage absorb with sand and collect for approved disposal.

## WATERPROOFER FOR ROOFS

241-212	2.5 litres
241-213	5 litres
241-214	25 litres

**Coverage:** 2.5 litres will cover approximately 2.5m<sup>2</sup> with a 2 coat application, depending on the surface.

This waterproofer is a fibre-filled black bitumen based solution ideal for use on asphalt, concrete, fibre cement sheeting, slate, corrugated iron, zinc or lead sheeting or similar surfaces which have deteriorated and lost some resistance to water penetration.

## Surface Preparation

Surfaces must be clean and free of dust, rust, oil or grease, or any other substance, which may affect adhesion. Remove fungal growth with our Fungicidal Wash (600-297).

Fill cracks with our Roof and Gutter Sealant as described previously.

Prime porous surfaces such as concrete and fibre cement sheeting with a solution of diluted Wickes Protective Bituminous Paint (for metal and concrete) (80%) with White Spirit (20%). Allow sealants, primers and fungicidal wash to dry before proceeding.

## Application

Stir well before use.

The treatment can be applied by soft brush or, over large areas, by a soft broom. Two coats minimum must be applied with each coat being allowed to dry before the next is put on. The waterproofing treatment should be carried up adjoining vertical surfaces by approximately 150mm and behind existing flashing.

## Health and Safety

The product contains a Hydrocarbon solvent and frequent or prolonged contact with the skin should be avoided. We recommend that you wear gloves when using. Any splashes on the skin should be removed as quickly as possible with a hand cleanser followed by wash in warm soapy water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## Storage

The paint contains a flammable solvent so all normal precautions should be taken during storage and use.

## Cleaning

Clean utensils and spillages with white spirit.

## ACRYLIC WATERPROOFER

240-148	4 litres [coverage 1m <sup>2</sup> /Litre]
243-816	Acrylic Roof Repair Cartridge

Wickes Acrylic Waterproofer is a high performance single-pack, fibre-reinforced, flexible, acrylic resin based waterproofing coating for roofs, gutters and other surfaces. Its special formulation allows the product to be applied in wet weather, providing an instant leak solution. The product is extremely tough and durable.

It can be used for isolated repairs, or as a remedial coating treatment where it forms a seamless waterproofing membrane over larger areas or whole roofs. The fibre content in Wickes Acrylic Waterproofer enables cracks up to 10mm wide to be bridged and sealed without the need for a reinforcing scrim.

Wickes Acrylic Waterproofer can be used on all roof types including felt, asphalt, fibre cement sheeting, metal, tiles and slates. It is also suitable for use on brickwork and concrete.

## Preparation

Ensure that the surface to be treated is clean, free from grease, moss and loose particles.

## Application

Apply Wickes Acrylic Waterproofer by brush, working well into damp areas to dispel moisture and ensure good adhesion. Use liberally over splits and cracked areas. The waterproofing treatment should be carried up adjoining vertical surfaces for approximately 150mm and behind existing flashings. One coat is normally sufficient.

Wickes Acrylic Waterproofer will be surface dry in 2-3 days, thorough drying will be dependent on thickness and ambient temperatures.

Acrylic Roof Repair Cartridge is used with a skeleton gun, apply the acrylic compound directly into cracks or splits and firm into place with a trowel.

## Cleaning

Clean immediately after use with a proprietary brush cleanser.

## SOLVENT FREE WATERPROOFER FOR ROOFS

164-040      2.5 litres  
164-041      5 litres

This is a brush applied non-filled bitumen emulsion, which dries to give a black, firm, flexible, seamless waterproof membrane. It can be used for the treatment of asphalt, concrete; fibre reinforced cement sheeting, metal, roofing felt and similar surfaces whether flat, sloping or vertical. It can be used on uneven surfaces or around difficult shapes and contours.

## Preparation

Surfaces must be clean and free from any dirt, dust, rust or any material, which may affect adhesion (e.g. grease). Should moss or lichen be present this must be removed with a stiff broom and the surface treated with Wickes Fungicidal Wash following the instructions on the pack. Make any structural repairs necessary, re-fix loose sheets replacing any that are badly damaged. Blisters in asphalt or roofing felt should be cut and re-sealed. Chippings other than those, which form the surface of mineralised felt, should be removed. Splits or cracks in the roof surface should be repaired using Wickes Flexible Sealant Mastic for Roofs following the directions on the tin. Particular attention should be paid to any bolt holes in the roof sheets.

Porous surfaces such as concrete or fibre reinforced cement sheeting should be primed using Wickes Solvent Free Waterproofer for Roofs, diluted with 10% water, which should be allowed to dry for at least 1 hour before application of the first main coat. On metal surfaces, a rust inhibiting primer should be used prior to the application of Wickes Solvent Free Waterproofer for Roofs.

## Application

Stir well before use.

Apply the first coat of Wickes Solvent Free Waterproofer for Roofs with a brush or roller using approximately 0.6 litres per square metre. Allow 24 hours drying time. Apply second coat of Wickes Solvent Free Waterproofer for Roofs at the same rate.

Wickes Solvent Free Waterproofer for Roofs is not resistant to rain or frost until it has fully dried. Protect from frost in both storage and use. Do not apply if temperature is expected to drop below 5°C or rain is expected within the next few hours.

## PROTECT FROM FROST

## Cleaning

Clean tools immediately by removing excess product and washing with water. If dried, clean tools in white spirit.

## QUICK SEAL RAPID REPAIR SPRAY FOR ROOFS AND GUTTERS

240-147      500ml spray can

Wickes Quick Seal is a spray-applied mastic, formulated to provide rapid sealing of water leaks on most surfaces, even when damp. It can be used to repair cracks and leaks before re-waterproofing complete roofs. Wickes Quick Seal has excellent anti-sag properties and can be used on horizontal or vertical surfaces.

Wickes Quick Seal can be used on roofs, gutters, pipes and drains around the house and also on garden sheds, greenhouses and garages. Wickes Quick Seal will adhere to felt, asbestos, tiles, slates, asphalt, metal, wood and most plastics (not polystyrene).

## Preparation

Ensure area to repair is thoroughly clean. Lightly roughen the surface to provide a key. Mask area behind field of spray before use.

## Application

Cracks in roof covering and joints in guttering etc. should be filled with Wickes Flexible Sealant Mastic prior to the application of Wickes Quick Seal. The ideal spraying temperature is between 15°C and 20°C. Lower temperatures will delay drying. Spray across the repair area from a distance of 45 to 60cm, in several light even coats, applying beyond the area to be sealed. Allow to become touch dry between coats for heavy applications.

## Attention

Clean any overspray with Wickes White Spirit. Always allow 2 to 3 days for Wickes Quick Seal to fully cure before overcoating or painting. After use invert container and spray to clear nozzle. The spray head can be removed for cleaning with Wickes White Spirit.

## Coverage

A 500ml can will cover approximately 0.15m<sup>2</sup> depending on application thickness.

## Storage

Wickes Quick Seal should be stored in cool dry conditions. It has a shelf life of up to 18 months if stored correctly in an unopened container

Helpline Number: **01785 272727**

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